3.6 Local GHG Reduction Measures

The local GHG reduction measures are presented here in greater detail because these are the new and enhanced actions that Sonoma County local governments—the cities and the County—will contribute toward meeting the ambitious countywide GHG reduction target for 2020. Table 3-11 below provides an at-a-glance listing of all local measures, including which jurisdictions are implementing each measure and anticipated GHG reductions. Following the table, the measures are organized by sector and presented in more detail, including implementation information, Key Progress Indicators, and community co-benefits.

Please see Chapter 5, *Community Greenhouse Gas Profiles and Emissions Reductions for 2020*, for additional information about existing actions, plans, and policies for each jurisdiction. A complete description of each measure, including the assumptions and methodology used to calculate GHG reductions, is included in Appendix C.

Table 3-11: Local GHG Reduction Measures

#	Name	Description	Participation Rate Selection	In-place/Adopted by or Participation Rate									2020 GHG Reductions (MTCO$_2$e/yr)
				Cloverdale	Cotati	Healdsburg	Petaluma	Rohnert Park	Sebastopol	Sonoma	Windsor	County of Sonoma	
Goal 1. Increase building energy efficiency													
1-L1	Expand the Green Building Ordinance Energy Code	Require new residential and nonresidential development to exceed CALGreen Tier 1 voluntary standards by complying with CALGreen Tier 2 standards.	Points beyond Title 24	-	-	-	-	-	-	-	10	-	80
1-L2	Outdoor Lighting	Adopt outdoor lighting standards in the zoning ordinance to reduce electricity consumption above and beyond the requirements of AB 1109.	(% of outdoor lighting)	-	50%	80%	50%	50%	25%	80%	25%	20%	1,554
1-L3	Shade-Tree Planting	Expand on current urban tree-planting policies and programs to establish a shade-tree planting goal for each jurisdiction.	(# of trees)	100	100	100	1,000	1,000	400	50	500	1,000	45

#	Name	Description	Participation Rate Selection	In-place/Adopted by or Participation Rate									2020 GHG Reductions (MTCO₂e/yr)
				Cloverdale	Cotati	Healdsburg	Petaluma	Rohnert Park	Sebastopol	Sonoma	Windsor	County of Sonoma	
1-L4	Co-Generation Facilities	Encourage co-generation facilities to supply a certain amount of energy in new commercial and industrial facilities greater than 100,000 square feet.	(MWh)	-	-	-	10	-	-	-	-	10	3
Goal 2. Increase renewable energy use													
2-L1	Solar in New Residential Development	Implement solar energy installation requirements for new residential buildings to increase renewable energy generation.	% of new development	-	50%	8%	50%	15%	100%	-	25%	-	246
2-L2	Solar in Existing Residential Buildings	Incentivize solar energy installation for existing residential buildings to increase renewable energy generation.	% of existing homes	5%	15%	2%	15%	15%	15%	11%	15%	15%	9,942

energy generation.

#	Name	Description	Participation Rate Selection	In-place/Adopted by or Participation Rate									2020 GHG Reductions (MTCO$_2$e/yr)
				Cloverdale	Cotati	Healdsburg	Petaluma	Rohnert Park	Sebastopol	Sonoma	Windsor	County of Sonoma	
2-L4	Solar in Existing Nonresidential Buildings	Incentivize solar energy installation for existing nonresidential development to increase renewable energy generation.	% of existing nonresidential development	10%	15%	2%	20%	10%	25%	-	25%	25%	25,573
Goal 3. Switch equipment from fossil fuel to electricity													
3-L1	Convert to Electric Water Heating	Replace residential natural gas water heating equipment with electric heating equipment.	% of households	-	-	1%	10%	5%	10%	-	10%	-	2,215
Goal 4. Reduce travel demand through focused growth													
4-L1	Mixed-Use Development in City Centers and along Transit Corridors	Identify specific areas for transit-oriented, city-centered, mixed-use development, focusing on identified existing and planned transit corridors.	% of growth to result in mixed use	15%	70%	20%	60%	20%	70%	20%	50%	20%	3,485
4-L2	Increase Transit Accessibility	Encourage new residential projects consisting of 25 units or more to be located within 0.5 mile of a transit node, shuttle service, or bus route with regularly scheduled daily service.	% of growth to be 25+ units	5%	15%	20%	15%	75%	15%	15%	15%	-	1,057

#	Name	Description	Participation Rate Selection	In-place/Adopted by or Participation Rate									2020 GHG Reductions (MTCO$_2$e/yr)
				Cloverdale	Cotati	Healdsburg	Petaluma	Rohnert Park	Sebastopol	Sonoma	Windsor	County of Sonoma	
4-L3	Supporting Land Use Measures	Undertake actions that will support transportation-related land use.	Yes/No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NQ[1]
4-L4	Affordable Housing Linked to Transit	Provide affordable housing developments near transit corridors, transit hubs, and downtown cores.	% of new development to be affordable	15%	15%	15%	23%	15%	20%	20%	15%	-	166
Goal 5. Encourage a shift toward low-carbon transportation options													
5-L1	Local Transportation Demand Management (TDM) Program	Implement support for voluntary TDM measures for employers with 49 employees or fewer, voluntary TDM measures for larger employers that are in excess of the TRO, and requirements for TDM measures in larger new residential projects.	% of employees eligible	38%	38%	20%	-	38%	38%	-	-	38%	2,975
5-L2	Carpool Incentives and Ride-Sharing Program	Create or promote a countywide ride-sharing program and encourage participation by local employers through their TDM programs.	% of employees eligible	71%	78%	25%	-	78%	78%	-	-	78%	5,709

#	Name	Description	Participation Rate Selection	In-place/Adopted by or Participation Rate									2020 GHG Reductions (MTCO₂e/yr)
				Cloverdale	Cotati	Healdsburg	Petaluma	Rohnert Park	Sebastopol	Sonoma	Windsor	County of Sonoma	
5-L3	Guaranteed Ride Home	Create a guaranteed ride-home program to provide a free car-share, shuttle, or taxi ride home to employees in case of an emergency.	Yes/No	Yes	Yes	No	No	No	Yes	No	No	Yes	NQ[1]
5-L4	Supporting Bicycle/ Pedestrian Measures	Implement local actions to support bicycle use and pedestrians.	Yes/No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NQ[1]
5-L5	Traffic Calming	Implement traffic-calming measures in downtown cores, accident hot-spot locations, near schools and libraries, etc.	% of trips affected	100%	100%	50%	100%	100%	100%	100%	100%	100%	1,221
5-L6	Parking Policies	Implement additional parking policies to promote a reduction in single-occupancy vehicle travel.	% of area affected	10%	-	50%	-	-	10%	-	-	10%	2,489
5-L7	Supporting Parking Policy Measures	Implement actions to support parking policies, such as prioritized parking for EVs, carpools, and hybrids.	Yes/No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	NQ[1]

#	Name	Description	Participation Rate Selection	In-place/Adopted by or Participation Rate									2020 GHG Reductions ($MTCO_2e$/yr)
				Cloverdale	Cotati	Healdsburg	Petaluma	Rohnert Park	Sebastopol	Sonoma	Windsor	County of Sonoma	
Goal 7. Encourage a shift toward low-carbon fuels in vehicles and equipment													
7-L1	Electric Vehicle Charging Station Program	Develop local charging stations to support EVs.	# of charging stations	2	5	20	5	5	5	3	50	5	60
7-L2	Electrify Construction Equipment	Incentivize replacement of fossil-fuel construction equipment with alternatively fueled or electric equipment.	% of equipment	-	10%	10%	10%	-	10%	-	5%	-	365
Goal 8. Reduce idling													
8-L1	Idling Ordinance	Limit idling of all commercial vehicles to 3 minutes, except as necessary for the loading or unloading of cargo within a period not to exceed 30 minutes.	Minutes below state law	2	2	2	2	2	2	-	-	2	13,120
8-L2	Idling Ordinance for Construction Equipment	Adopt an ordinance that limits idling time to 3 minutes for heavy-duty construction equipment.	Minutes below state law	-	-	-	2	2	2	-	-	2	256

#	Name	Description	Participation Rate Selection	In-place/Adopted by or Participation Rate									2020 GHG Reductions (MTCO$_2$e/yr)
				Cloverdale	Cotati	Healdsburg	Petaluma	Rohnert Park	Sebastopol	Sonoma	Windsor	County of Sonoma	
Goal 9. Increase solid waste diversion													
9-L1	Create Construction and Demolition Reuse and Recycling Ordinance	Implement goal for construction and demolition waste.	% beyond baseline	0%	3%	0%	3%	0%	3%	0%	0%	3%	4
Goal 11. Reduce water consumption													
11-L1	SB X7-7 – Water Conservation Act of 2009	Meet or exceed water use reduction goal, as identified by SB X7-7 (20% reduction in urban per capita use by 2020).	Per capita water savings goal	20%	20%	20%	20%	37%	20%	10%	15%	12%	16,653
11-L2	Water Conservation for New Construction	Require adoption of the voluntary CALGreen Tier 1 water efficiency measures for new residential and nonresidential construction.	% of new residential/ nonresidential development	0%/ 0%	0%/ 0%	0%/ 0%	100%/ 50%	100%/ 50%	100%/ 50%	0%/ 0%	100%/ 50%	0%/ 0%	295
11-L3	Water Conservation for Existing Buildings	Incentivize renovation of existing buildings to achieve higher levels of water efficiency; encourage existing buildings to retrofit with CALGreen Tier 1 water efficiency measures.	% of new residential/ nonresidential development	0%/0 %	0%/ 0%	0%/ 0%	25%/ 50%	25%/ 50%	25%/ 50%	0%/ 0%	25%/ 10%	0%/ 0%	2,172

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				Cloverdale	Cotati	Healdsburg	Petaluma	Rohnert Park	Sebastopol	Sonoma	Windsor	County of Sonoma	
Goal 12. Increase recycled water and greywater use													
12-L1	Greywater Use	Incentivize greywater use instead of potable water for residential non-potable uses.	% greywater goal	0%	50%	1%	2%	50%	25%	0%	5%	10%	36
Goal 14. Increase use of renewable energy in water and wastewater systems													
14-L1	Green Energy for Water Production and Wastewater Processing in Healdsburg and Cloverdale	Healdsburg will use 100% renewable energy for a certain percentage of its water production and/or conveyance. Cloverdale has implemented solar energy arrays at the city water and wastewater plants.	Yes or N/A	Yes	N/A	Yes	N/A	N/A	N/A	N/A	N/A	N/A	412